

## ABSTRACT OF THE DISCLOSURE

[0069] Forming a structure attached to a micro-fluidic channel based on hydrodynamic focusing is disclosed. In one aspect, a polymerizable fluid and a focusing fluid may be introduced into a hydrodynamic focusing system. The polymerizable fluid may be hydrodynamically focused with the focusing fluid. Then the focused polymerizable fluid may be polymerized to form a structure attached to a channel of the hydrodynamic focusing system.